

Job Title: ENGINEERING TECHNICIAN IV - LIGHTING AND TRAFFIC SIGNAL TECHNICIAN - IPR#46237

Agency : Department of Transportation

Closing Date/Time: 05/11/2023

Salary: \$4,790 - \$8,775 Monthly

Job Type: Salaried Full Time

County: Edgar

Number of Vacancies: 1

Plan/BU: NR916 - Protech Teamsters

***This position is covered by the Revolving Door Prohibition Policy.**

This position is a union position; therefore, provisions of the relevant collective bargaining agreement/labor contract apply to the filling of this position.

All applicants who want to be considered for this position MUST apply electronically through the illinois.jobs2web.com website. State of Illinois employees should click the link near the top left to apply through the SuccessFactors employee career portal.

Applications submitted via email or any paper manner (mail, fax, hand delivery) will not be considered.

Agency Mission Statement

The Illinois Department of Transportation is seeking to hire a Lighting and Traffic Signal Technician.

The IDOT team works diligently to provide safe, cost-effective transportation for Illinois in ways that enhance quality of life, promote economic prosperity and protect our environment. We are problem solvers and leaders, constantly searching for innovations and improvements in support of our commitment to providing the best multimodal transportation system for Illinois.

Our team fosters a culture of inclusivity. We value diversity and hold ourselves to the highest ethical standards as we work together for a common purpose. Team members frequently collaborate with colleagues and others outside the department to best meet customer needs.

The department offers extensive training and career advancement opportunities. Employees also receive a robust benefit package including:

- Monday-Friday work schedule
- Flexible work schedules are available in many program areas.
- Health, Life, Vision, and Dental Insurance
- Pension Plan
- (10) Weeks paid Maternity/Paternity Leave
- Deferred Compensation Program and other pre-tax benefit programs (Medical/Daycare)
- Employees earn (12) paid Sick Days annually.
- New Employees earn (10) paid Vacation Days their first year of service and can earn up to (25) paid Vacation Days annually.
- Employees earn (3) paid Personal Days annually.
- (13-14) paid holidays annually (based on start date)
- Tuition Reimbursement

We invite qualified applicants to apply to become part of our team. We are confident that you will take pride in serving Illinois and its residents and visitors.

Job Responsibilities

This position is accountable for the surveillance, inspection, and maintenance of the state-owned traffic signals, flashing beacons, highway lighting, pan-tilt-zoom cameras and variable message signs in the district.

Traffic Signals Maintained: 270 intersections

Flashing Beacons Maintained: 22 intersections

Lighting Units Maintained: 3106 lighting units
Pan-Tilt-Zoom Cameras: 72 cameras
Variable Message Signs: 12 signs

This position reports to the Traffic Operations Engineer. This position works closely with the Traffic Signal Systems Engineer. Reporting to this position is an Engineering Technician I.

The incumbent is responsible for routine and emergency repairs of all traffic signal installations, roadway lights, flashing beacons, pan-tilt-zoom cameras, permanent variable message signs, and other electrical equipment located on state highways within the district. The work shall be accomplished through the district's electrical maintenance contracts, through cooperation with the local agency responsible for maintenance, or by the incumbent physically performing the work himself/herself. This position is subject to 24-hour callouts to respond to events that affect public safety.

A typical problem for this position entails working with the maintenance contractor to ensure the proper operation of traffic signal controllers, interconnected traffic signal systems and highway lighting installations to determine if they are functioning properly and in accordance with state standard specification and the Manual on Uniform Traffic Control Devices for Streets and Highways. The greatest challenge for this position is keeping abreast of the latest developments in traffic engineering practices and traffic control equipment and judiciously applying these to existing and future installations.

The incumbent personally inspects and recommends approval for traffic signal equipment used in construction projects; evaluates experimental signal equipment and recommends if said equipment could be used within the district; and provides technical guidance on complex signal system repairs and conducts necessary traffic studies which aid in the design or timing of existing and/or proposed traffic signals. The incumbent accomplishes these duties while working within the budget constraints. Coordination with other departmental employees on the status of electrical repairs for budget planning activities is required.

The incumbent provides guidance and supervision in accomplishing various Traffic Operations tasks to an Engineering Technician I subordinate.

(Job Responsibilities continued)

This position is constrained by all departmental regulations. In addition, the incumbent is governed by the plans, specifications and special provisions of the contract as well as federal/state policies and procedures. The incumbent inspects and recommends acceptance of traffic signal equipment based on the district's and the department's Standard Specifications for Traffic Signals and the Manual on Uniform Traffic Control Devices for Streets and Highways. Due to the technical complexities of the job, the incumbent has a great deal of latitude in making decisions and resolving problems. The incumbent is responsible for compliance with all department safety policies to ensure safety to himself/herself, fellow workers, and the traveling public.

In performing the functions of this position, the incumbent deals with the district bureaus and the central Bureau of Operations. Externally, the incumbent has contacts with local officials, various police departments, electrical contractors, utility companies, and the general public. This position requires twenty-four (24) hours per day/seven (7) days per week/three hundred sixty-five (365) days per year availability for emergencies; extensive travel within the district; occasional travel outside the district for meetings or training which could require overnight stays; possible overtime during evenings/nights/weekends; ability to lift and carry heavy equipment up to 50 pounds; work in confined spaces, climb steep terrain, wade in water, and deal with poisonous plants, animals, insects, rodents, and snakes; and performance of outdoor work in a variety of conditions including, but not limited to hot, cold, wet, windy, muddy, active construction sights, and roadways open to traffic.

The incumbent's performance can be measured by the reliability and efficient operation of the traffic signal, lighting, flashing beacon, pan-tilt-zoom camera, and variable message sign systems. Performance can also be measured by the incumbent's ability to coordinate emergency repairs and timely performance of the scheduled maintenance program.

Principal Accountabilities

1. Oversees the district's Electrical Maintenance Repair Contracts for devices that are the maintenance responsibility of the district.
2. Schedules, supervises and assists subordinate with traffic operations tasks and documentation.
3. Assists local agencies in complex repairs of traffic signals that are on state routes but the maintenance

responsibility of the local agency.

4. In cooperation with the Traffic Signal Systems Engineer, monitors all signals on state routes in the district to ensure proper and efficient operation.
5. Reviews local agency maintenance billing for traffic signals that are on state routes but the maintenance of the local agency.
6. Reviews catalog cutout materials from traffic signal components to be installed on state routes in the district.
7. Participates in final inspections of electrical equipment items installed on state routes.
8. Participates in nighttime lighting inspections.
9. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
10. Performs other duties as assigned.

Qualifications

Position Requirements

- Education/Experience:
 - Completion of two years of college in civil engineering technology, pre-engineering or a job related technical/science curriculum PLUS five years of engineering experience; OR
 - Seven years of engineering experience
- Valid driver's license
- 24/7/365 availability for emergencies
- Extensive travel within the district; occasional travel outside the district for meetings/trainings which could require overnight stays
- Possible overtime during evenings/nights/weekends
- Ability to lift/carry heavy equipment up to 50 lbs.; work in confined spaces, climb steep terrain, wade in water, and deal with poisonous plants, animals, insects, rodents, and snakes; and to perform outdoor work in a variety of conditions including, but not limited to hot, cold, wet, windy, muddy, active construction sights, and roadways open to traffic

Position Desirables

- Extensive knowledge of the principles and practices of civil engineering and the application of engineering techniques to the design, construction, and maintenance of transportation projects
- Traffic signal, highway lighting, Intelligent Transportation System, and highway capacity experience
- Ability to plan, organize, and execute administrative or technical program requirements
- Ability to plan and direct efforts of work for efficient accomplishments of program objectives
- Ability to maintain harmonious relationships with employees, agency officials, contractors, and the public
- Strong oral and written communication skills

Work Hours: 7:00 A.M. - 3:30 P.M. Monday-Friday

Work Location: 13473 Il Highway 133 Paris, IL 61944-6731

Office: Highways Project Implementation/Region 3/District 5/Bureau of Operations

Agency Contact: DOT.CONTACTHR@ILLINOIS.GOV

Job Family: Transportation; Leadership & Management; Science, Technology, Engineering & Mathematics

APPLICATION INSTRUCTIONS

Use the "Apply" button at the top right or bottom right of this posting to begin the application process.

If you are not already signed in, you will be prompted to do so.

State employees should sign in to the career portal for State of Illinois employees – a link is available at the top left of the Illinois.jobs2web.com homepage in the blue ribbon.

Non-State employees should log in on the using the "View Profile" link in the top right of the Illinois.jobs2web.com homepage in the blue ribbon. If you have never before signed in, you will be prompted to create an account.

If you have questions about how to apply, please see the following resources:

State employees: Log in to the career portal for State employees and review the Internal Candidate Application Job Aid

Non-State employees: on Illinois.jobs2web.com – click "Application Procedures" in the footer of every page of the website.

The main form of communication will be through email. Please check your "junk mail", "spam", or "other" folder for communication(s) regarding any submitted application(s). You may receive emails from the following addresses:

- donotreply@SIL-P1.ns2cloud.com

- systems@SIL-P1.ns2cloud.com